

REMARKS

Claims 38 -57 are pending in the application. Claims 46-48 were rejected under 35 U.S.C. §112, second paragraph as described in paragraph 2 of the Office Action. Claims 38, 39, 41-44 and 49-57 were rejected under 35 U.S.C. §103 as described in paragraph 4 of the Office Action. Claims 40, 45 and 48 were under 35 U.S.C. §103 as described in paragraph 2 of the Office Action. Claims 46 and 47 were rejected under 35 U.S.C. §103 as described in paragraph 3 of the Office Action. Claims 38, 44 and 51-57 are the only independent claims.

The specification has been amended to correctly indicate that Japanese Patent Application No. Hei.10-203007 has not been published.

Applicants respectfully traverse the outstanding rejections of claims 38-57 for the following reasons.

For the Examiner's convenience, attached hereto is a copy of EP 0973129 A2. The '129 reference is a European application based on Japanese Patent Application No. Hei 10-203007, which is described in the Background of the Invention section of the above-identified application.

As discussed in the '129 reference, in a CG scene description language represented by VRML, CG is described using an ID of each constitutional component of CG having a hierarchical structure and a data structure including its motion data. A CG scene reproduction apparatus decrypts the description language, extracts the ID of the component belonging to each hierarchy and its motion data (for example, direction vector, rotation angle, and like) and reproduces a CG based on these data. Further, the '129 reference discloses a method for converting the CG data into a stream. In particular, the reference discloses a transmitter for transmitting a stream including an ID of the structural component and its motion data, together with time information and time sequences and a receiver for receiving the transmitted data to reproduce the CG in real time.

The present invention relates to a correction of the motion data of respective constitutional components including in such a stream.

Independent claims 38 and 44 are drawn to a stream correction apparatus. Claim 38 requires, *inter alia*, a correction unit operable to generate a corrected stream by replacing motion data of a selected component with data based on operational contents inputted by a user interface unit and to

output the corrected stream. Similarly, claim 44 requires, *inter alia*, a correction unit operable to generate a corrected stream by replacing motion data of a selected object or object part with data based on operational contents inputted by a user interface unit and to output the corrected stream.

Independent claim 51 is drawn to a transmission and reception system. Claim 51 requires, *inter alia*, a correction unit that is operable to generate a corrected stream by replacing motion data of a selected component with data based on operational contents inputted by a user interface unit and to output the corrected stream.

Independent claims 52-54 are drawn to a stream correction method, a computer graphics reproduction method and a computer graphics display method, respectively. Each of independent claims 52-54 require, *inter alia*, correcting an input stream by replacing motion data of a selected component with data based on inputted operational contents.

Independent claims 55-57 are drawn to a data storage medium having computer readable instructions stored thereon. Each of independent claims 55-57 require the computer readable instructions to be capable of instructing a computer to, *inter alia*, correct an input stream by replacing motion data of a selected component with data based on inputted operational contents.

It is respectfully submitted that the applied prior art, either singly or in combination, fails to teach or suggest the above-identified limitations.

As discussed in paragraph 4 (A) of the Office Action, Ubillos does not disclose "a correction unit operable to generate a corrected stream by replacing the motion data of the selected component with data based on the operational content inputted by said user interface unit and to output the corrected stream."

It is respectfully submitted that Chang fails to teach the shortcomings of Ubillos such that a combination of the teachings of Ubillos in view of Chang would teach that which is required in independent claims 38, 44 and 51-57.

Chang discloses a technique for correcting a motion vector in an MPEG standard. However, Chang does not disclose correction of motion data of each constitutional component of CG. It is respectfully submitted that one having ordinary skill in the art at the time of the invention would readily understand that the stream of motion data of each component of CG and the image steam of

the MPEG standard are completely different from one another. Accordingly, a person of ordinary skill in the art at the time of the invention would readily understand that it makes no sense to compare correction of a motion vector and a MPEG standard to correction of a motion data of each constitutional component of the CG. This is evident, at least, in the teachings of EP 0973129.

In light of the above discussion, it is respectfully submitted that Chang fails to teach: a correction unit operable to generate a corrected stream by replacing the motion data of the selected component with data based on the operational contents inputted by a user interface unit and to output the corrected stream, as required in independent claim 38; a correction unit operable to generate a corrected stream by replacing the motion data of the selected object or object part with data based on the operational contents inputted by a user interface unit and to output the corrected stream, as required in independent claim 44; a correction unit that is operable to generate a corrected stream by replacing the motion data of the selected component with data based on the operational contents inputted by a user interface unit and to output the corrected stream, as required in independent claim 51; correcting the input stream by replacing the motion data of the selected component with data based on the inputted operational contents, as required in independent claims 52-54; or computer readable instructions capable of instructing a computer to correct the input stream by replacing the motion data of the selected component with data based on the inputted operational contents, as required in each of independent claims 55-57.

Because neither Ubillos nor Chang teach a correction unit operable to generate a corrected stream by replacing the motion data of the selected component with data based on the operational contents inputted by a user interface unit and to output the corrected stream, as required in independent claim 38; a correction unit operable to generate a corrected stream by replacing the motion data of the selected object or object part with data based on the operational contents inputted by a user interface unit and to output the corrected stream, as required in independent claim 44; a correction unit that is operable to generate a corrected stream by replacing the motion data of the selected component with data based on the operational contents inputted by a user interface unit and to output the corrected stream, as required in independent claim 51; correcting the input stream by replacing the motion data of the selected component with data based on the inputted operational

contents, as required in independent claims 52-54; or computer readable instructions capable of instructing a computer to correct the input stream by replacing the motion data of the selected component with data based on the inputted operational contents, as required in each of independent claims 55-57, it is respectfully submitted that a combination of the teachings of Ubillos in view of Chang additionally fails to teach that which is required in independent claims 38, 44 and 51-57. Accordingly, it is respectfully submitted that independent claims 38, 44 and 51-57 are patentable over the combination of Ubillos in view of Chang within the meaning of 35 U.S.C. § 103.

Because claims 39-43 and 45-50 are dependant upon claims 38 and 44, respectively, and therefore include all the limitations thereof, it is respectfully submitted that claims 39-43 and 45-50 are additionally patentable over the combination of Ubillos in view of Chang within the meaning of 35 U.S.C. § 103.

Having fully and completely responded to the Office Action, Applicants submit that all of the claims are now in condition for allowance, an indication of which is respectfully solicited.

If there are any outstanding issues that might be resolved by an interview or an Examiner's amendment, the Examiner is requested to call Applicants' attorney at the telephone number shown below.

Respectfully submitted,

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